

VA FORM 08-6231

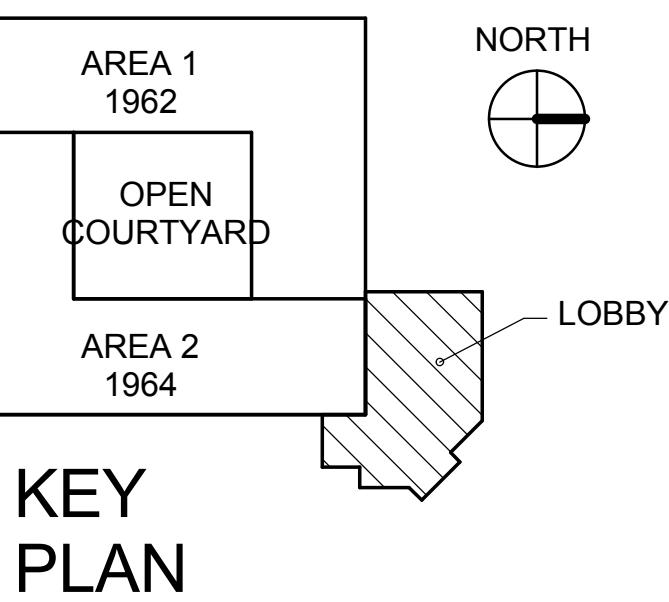
## KEY NOTES:

- DIMMER WALL SWITCH TO CONTROL WALL WASHER LIGHT FIXTURES IN EXHIBIT ROOM.
- OUTDOOR LIGHT FIXTURES TO BE CONTROLLED BY PHOTOCELL SENSOR ON ROOF AND LIGHTING CONTROL PANEL. LCP-1 LIGHTS SHALL BE SET TO REMAIN ON DURING NIGHT TIME.
- NEW LIGHTING CONTROL PANEL REFER TO SPECS FOR MORE DETAIL.




## SHEET NOTES:

- FIXTURES SHOWN HALF SHADED AND WITH 'EM' ARE EMERGENCY AND SHALL CONTAIN AN EMERGENCY BATTERY PACK/BALLAST. PROVIDE AN UNSWITCHED CONDUCTOR CIRCUIT FROM SAME CIRCUIT FOR EMERGENCY BATTERY BACK CONNECTION.
- PROVIDE 2#12, 1#12 G, 3/4" C FOR ELECTRICAL CONNECTION OF ALL LIGHT FIXTURES.
- REFER TO E-401 LIGHTING CONTROL PANEL SCHEDULE FOR LIGHTING CONTROLS SCHEME.
- AUTOMATIC CONTROL SHALL SWITCH LIGHTING OFF FOR LIGHTING THAT HAS BEEN SWITCHED ON BY LOCAL OVERRIDE. 1 HOUR SHUTDOWN AFTER HOURS

1 LEVEL 1 LIGHTING PLAN  
1/8" = 1'-0"



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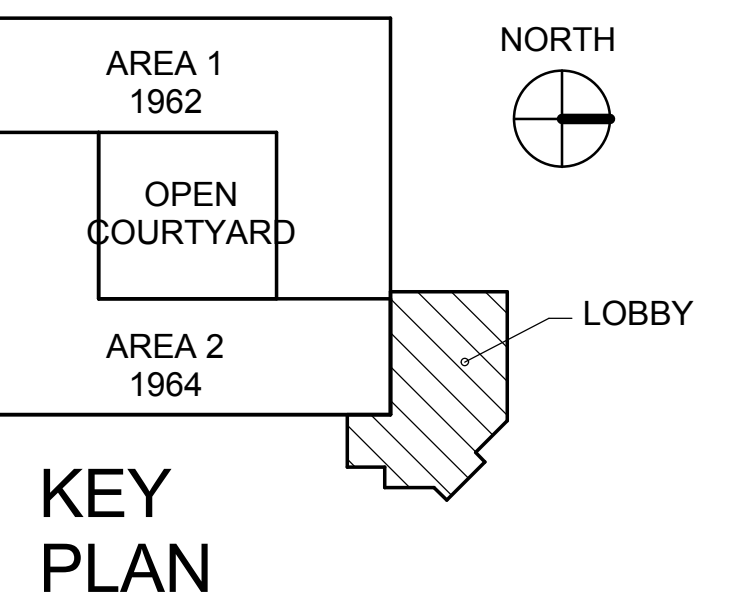
<b>CONSULTANTS:</b>  <b>Syska Hennessy Group</b> A member company of SH Group, Inc. Syska Hennessy Group, Inc. 425 California Street Suite 700 San Francisco, CA 94104 Tel: 415.288.9060 Fax: 415.835.0385 www.syska.com		Stamp and Signature	<b>ARCHITECT/ENGINEERS:</b>  <b>KPA</b> THE KPA GROUP ENGINEERS ARCHITECTS ONE KAISER PLAZA SUITE 445 OAKLAND CALIFORNIA 94612 TEL 510.271.6701 FAX 510.271.6707 ©THE KPA GROUP 2013 KPA Project No. 563.00		Drawing Title <b>ELECTRICAL LIGHTING FIRST FLOOR PLAN</b> Approved: Project Director - VAPAHCS PLANNING AND ENGINEERING	Project Title <b>NEW OFFICE AND LABS</b> Location 1080 INNOVATION WAY, SUNNYVALE, CA 94085 Date 05/09/2013 Checked VG Drawn RB	Project Number 640-379 Building Number 1002 Drawing Number <b>EL-101</b> Dwg. of	Office of Construction and Facilities Management  VAPAHCS Various Affiliates Palo Alto Health Care System
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## KEY NOTES:



1. FIXTURES IN ENTRANCE LOBBY TO BE CONTROLLED BY PHOTOCELL SENSOR AND LIGHTING CONTROL PANEL. PLACE PHOTOCELL SENSOR BY ONE OF THE COLUMNS 10' AFF IN THE FIRST FLOOR LOBBY. COORDINATE WITH ARCHITECT.
2. PROVIDE WEATHER PROOF PHOTOCELL ON THIS LOCATION OF THE ROOF. PROVIDE 34" C AND LOW VOLTAGE WIRING FOR PHOTOCELL. AND LIGHTING CONTROL PANEL CONNECTION. COORDINATE WITH MANUFACTURER FOR THE LOW VOLTAGE WIRING REQUIREMENT. ROOF TOP PHOTOCELL SHALL CONTROL ALL EXTERIOR LIGHTING.

## SHEET NOTES:

1. FIXTURES SHOWN HALF SHADED AND WITH 'EM' ARE EMERGENCY AND SHALL CONTAIN AN EMERGENCY BATTERY PACK/BALLAST. PROVIDE AN UNSWITCHED CONDUCTOR CIRCUIT FROM SAME CIRCUIT FOR EMERGENCY BATTERY BACK CONNECTION.
2. PROVIDE 2#12, 1#12G, 34" C FOR ELECTRICAL CONNECTION OF ALL LIGHT FIXTURES.
3. REFER TO E-401 LIGHTING CONTROL PANEL SCHEDULE FOR LIGHTING CONTROLS SCHEME.
4. AUTOMATIC CONTROL SHALL SWITCH LIGHTING OFF FOR LIGHTING THAT HAS BEEN SWITCHED ON BY LOCAL OVERRIDE. 1 HOUR SHUTDOWN AFTER HOURS.



FULLY SPRINKLERED

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 Syska Hennessy Group A member company of SH Group, Inc.				 ENGINEERS ARCHITECTS ONE KAISER PLAZA SUITE 445 OAKLAND CALIFORNIA 94612 TEL 510.271.6701 FAX 510.271.6707 ©THE KPA GROUP 2013 KPA Project No. 563.00		ELECTRICAL LIGHTING SECOND FLOOR PLAN		NEW OFFICE AND LABS		640-379			
Revision		DATE				Approved: Project Director		Location		Building Number		Dwg. of	
						VAPAHCS PLANNING AND ENGINEERING		1080 INNOVATION WAY, SUNNYVALE, CA 94085		1002			
								Date		Checked		Drawn	
								05/09/2013		VG		RB	

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KEY NOTES:

1. CAREFULLY REMOVE EXISTING POLE AND LIGHT FIXTURE FOR FUTURE USE. STORE ON SITE ON BLOCKS TO KEEP OFF THE GROUND. COVER AND PROTECT FOR FUTURE USE. DEMOLISH AND DISCARD EXISTING CONCRETE POLE BASE ABOVE AND BELOW GRADE.

SHEET NOTES:

1 ELECTRICAL POWER SITE PLAN  
1" = 30'-0"

<div>Revision</div> <div>DATE</div>		<div>CONSULTANTS:</div> <div><div><div>SYSKA HENNESSY GROUP</div></div><div><div>Syska Hennessy Group, Inc.</div><div>425 California Street</div><div>Suite 700</div><div>San Francisco, CA 94104</div><div>Tel: 415.288.9160</div><div>Fax: 415.835.0385</div><div>www.syska.com</div></div><div>A member company of SH Group, Inc.</div></div>	<div>Stamp and Signature</div>	<div>ARCHITECT/ENGINEERS:</div> <div><div><div>THE KPA GROUP</div></div><div><div>ENGINEERS ARCHITECTS</div><div>ONE KAISER PLAZA SUITE 445</div><div>OAKLAND CALIFORNIA 94612</div><div>TEL 510.271.6701 FAX 510.271.6707</div><div>©THE KPA GROUP 2013</div><div>KPA Project No. 563.00</div></div></div>	<div>Drawing Title</div> <div>ELECTRICAL POWER SITE PLAN</div> <div>Approved: Project Director</div> <div>VAPAHCS PLANNING AND ENGINEERING</div>	<div>Project Title</div> <div>NEW OFFICE AND LABS</div> <div>Location</div> <div>1080 INNOVATION WAY, SUNNYVALE, CA 94085</div> <div>Date</div> <div>05/09/2013</div> <div>Checked</div> <div>VG</div> <div>Drawn</div> <div>RB</div>	<div>Project Number</div> <div>640-379</div> <div>Building Number</div> <div>1002</div> <div>Drawing Number</div> <div>EP-100</div> <div>Dwg. of</div>	<div>Office of Construction and Facilities Management</div> <div><div>VAPAHCS</div><div>Various Affairs Palo Alto Health Care System</div></div>
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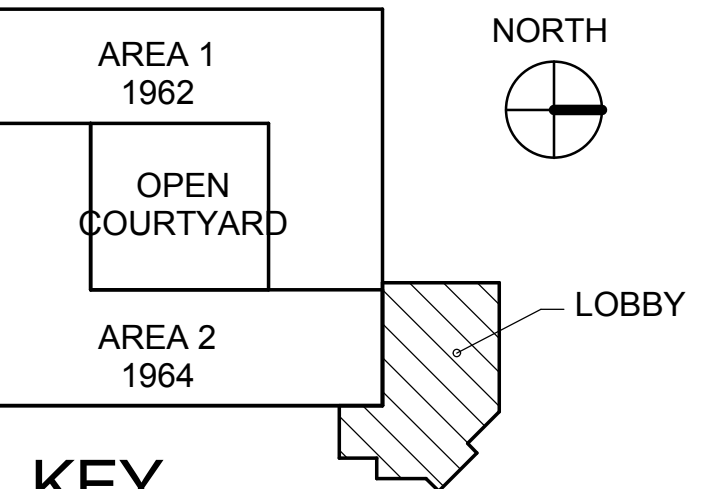
# KEY NOTES:

- UNDERCOUNTER INSTANTANEOUS WATER HEATER
- 120V FOR AUTOMATIC FLUSH AND FAUCET VALVES. CONNECT ALL UNIT POWER SUPPLIES TO THIS SOURCE FOR BOTH TOILET ROOMS BELOW THIS COUNTER.
- DISCONNECT EXISTING LOADS ON PANEL L1E FOR NEW LOADS TO BE CONNECTED.
- PROVIDE 120V FOR POWER. CONTRACTOR SHALL CIRCUIT TO PANEL LR CIRCUIT NUMBER 29 AND PROVIDE 3/4" C. PROVIDE 3/4" C. WITH CONTROL WIRES TO FA PANEL.
- WATCH DISCONNECT SWITCH SIZE TO SERVING CIRCUIT BREAKER.
- ROUTE CONDUITS IN CEILING SPACE FOR FUTURE USE.
- TIE GROUND RING INTO EXISTING GROUND CABLE IF AVAILABLE.

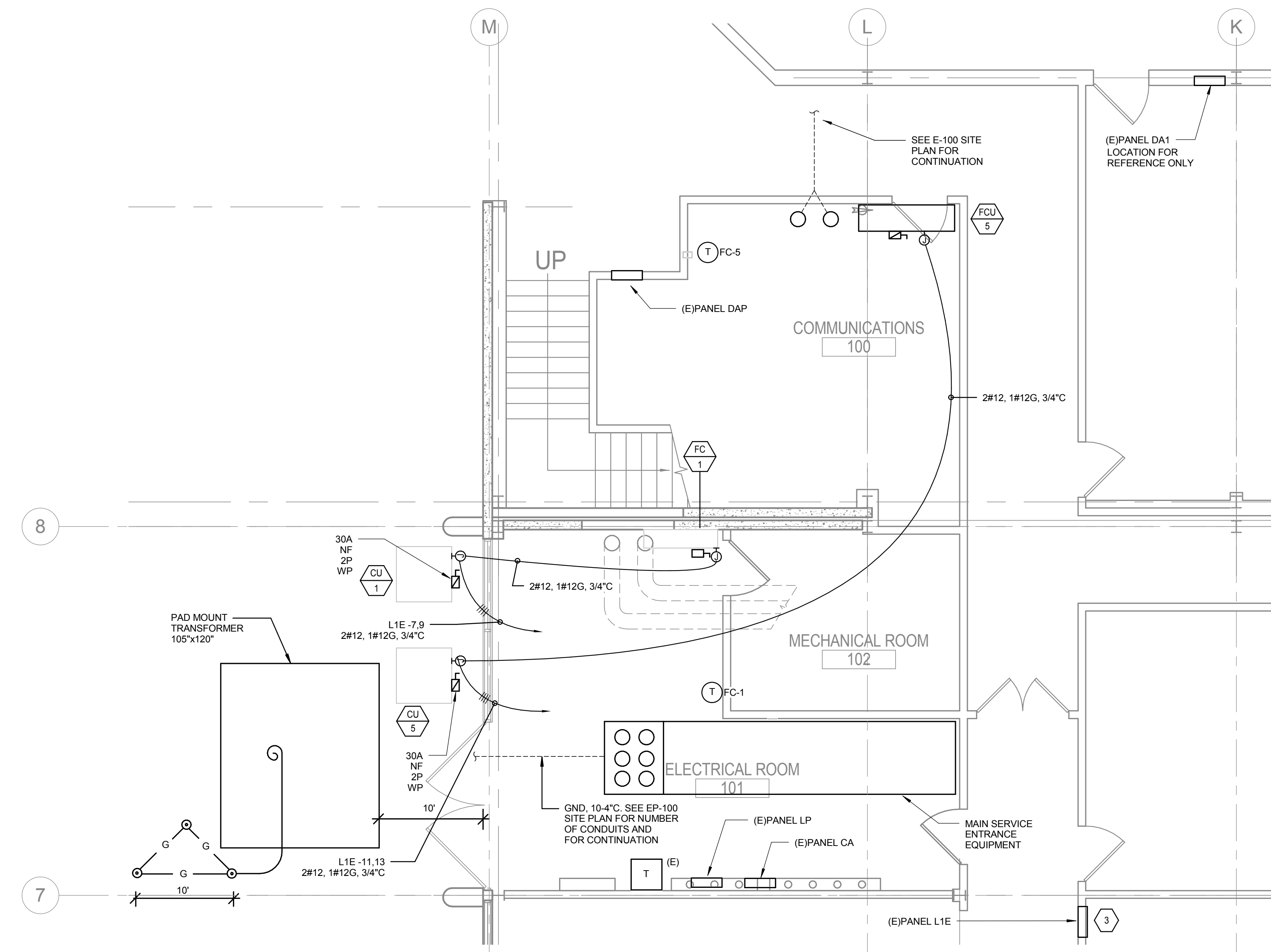
# SHEET NOTES:

- ALL FAN COIL UNITS ARE ASSUMED TO HAVE SINGLE POINT CONNECTION. AND SHALL POWER BUILT-IN CONDENSATE PUMP. PROVIDE 3/4" C.O. FOR CONTROLS FROM CONDENSING UNIT TO FAN COIL UNIT. PROVIDE CONTROL WIRING AND COORDINATE WITH CONTROLS CONTRACTOR TERMINATION.
- CONTRACTOR SHALL CIRCUIT ALL VAV ON THE 1ST FLOOR TO PANEL LR-1 CIRCUIT NUMBER 33. PROVIDE 2#12, 1#12G, 3/4" C. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND TERMINATION POINT. PROVIDE 3/4" C.O. FOR CONTROLS.
- PROVIDE 3/4" C.O. FOR THERMOSTAT AND CO2 SENSOR.
- PROVIDE 3/4" C.O. TO ALL VAV CONTROLS TO BE CONNECT TO THE DDC-CONTROL PANEL. COORDINATE WITH CONTROLS CONTRACTOR.
- CONTRACTOR SHALL FIRE SEAL ALL SLEEVES THRU FIRE RATED WALLS AND SEAL AGAINST SMOKE TRANSFER IN AN APPROVED MANNER CONSISTENT WITH LOCAL AND NATIONAL REQUIREMENTS.

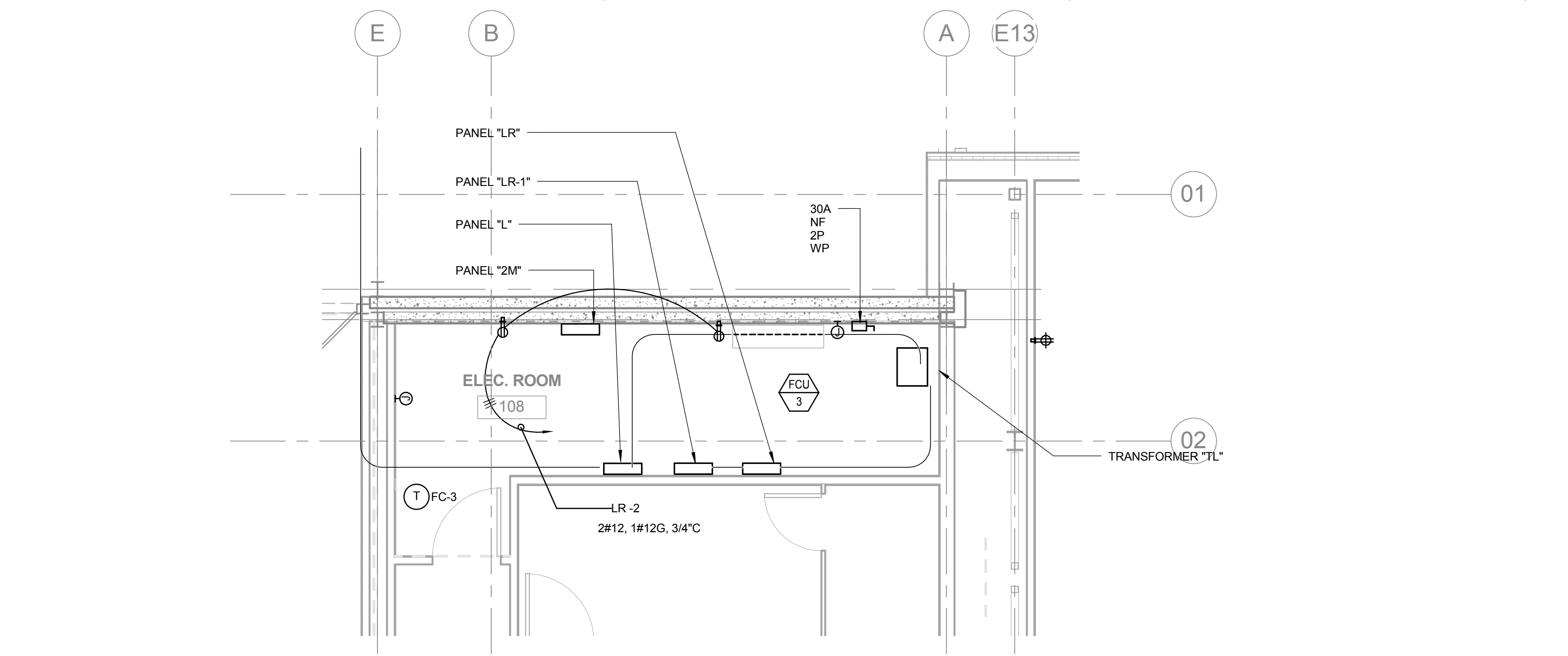
# KEY PLAN



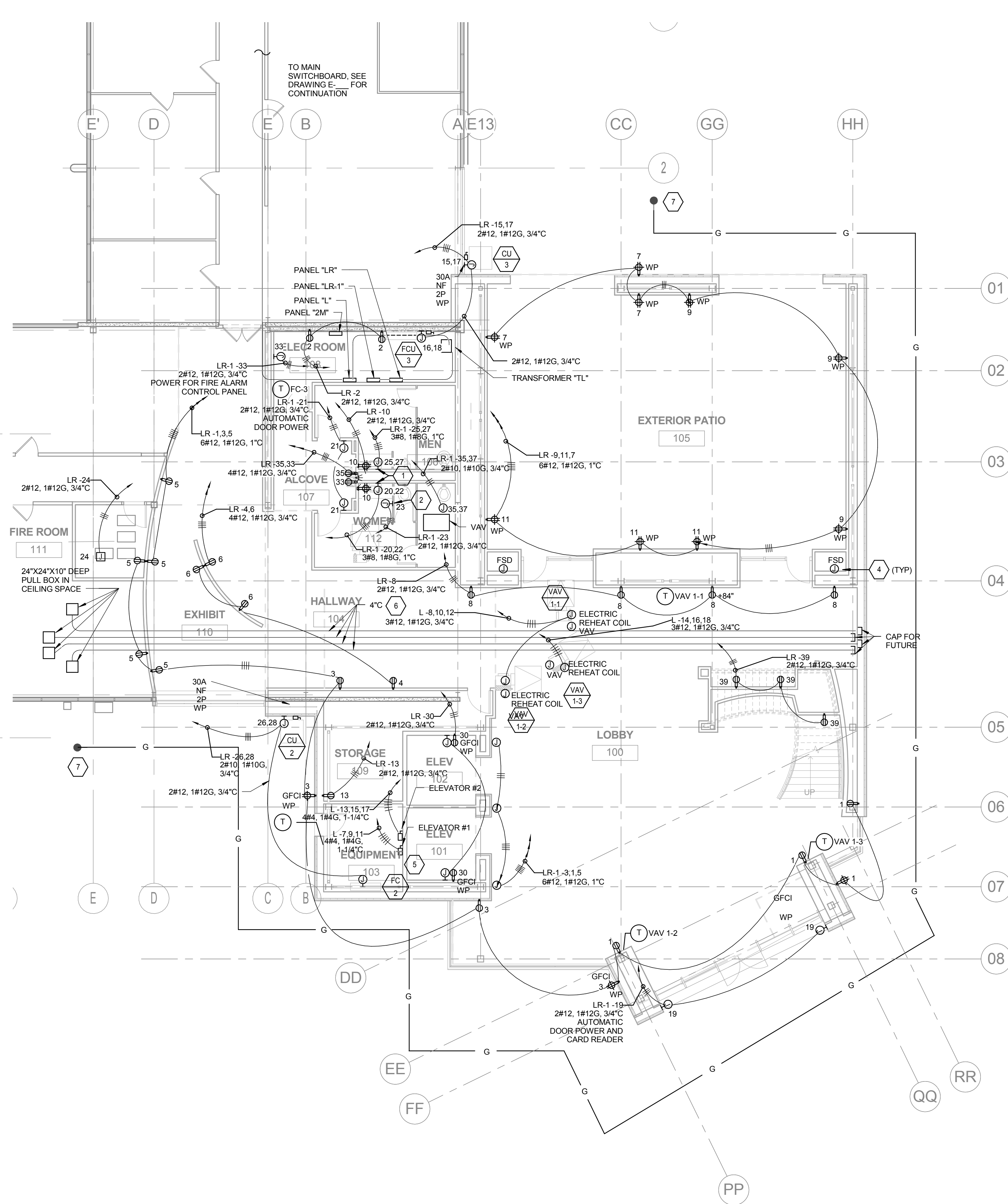
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2 ELECTRICAL ROOM POWER PLAN  
1/4" = 1'-0"



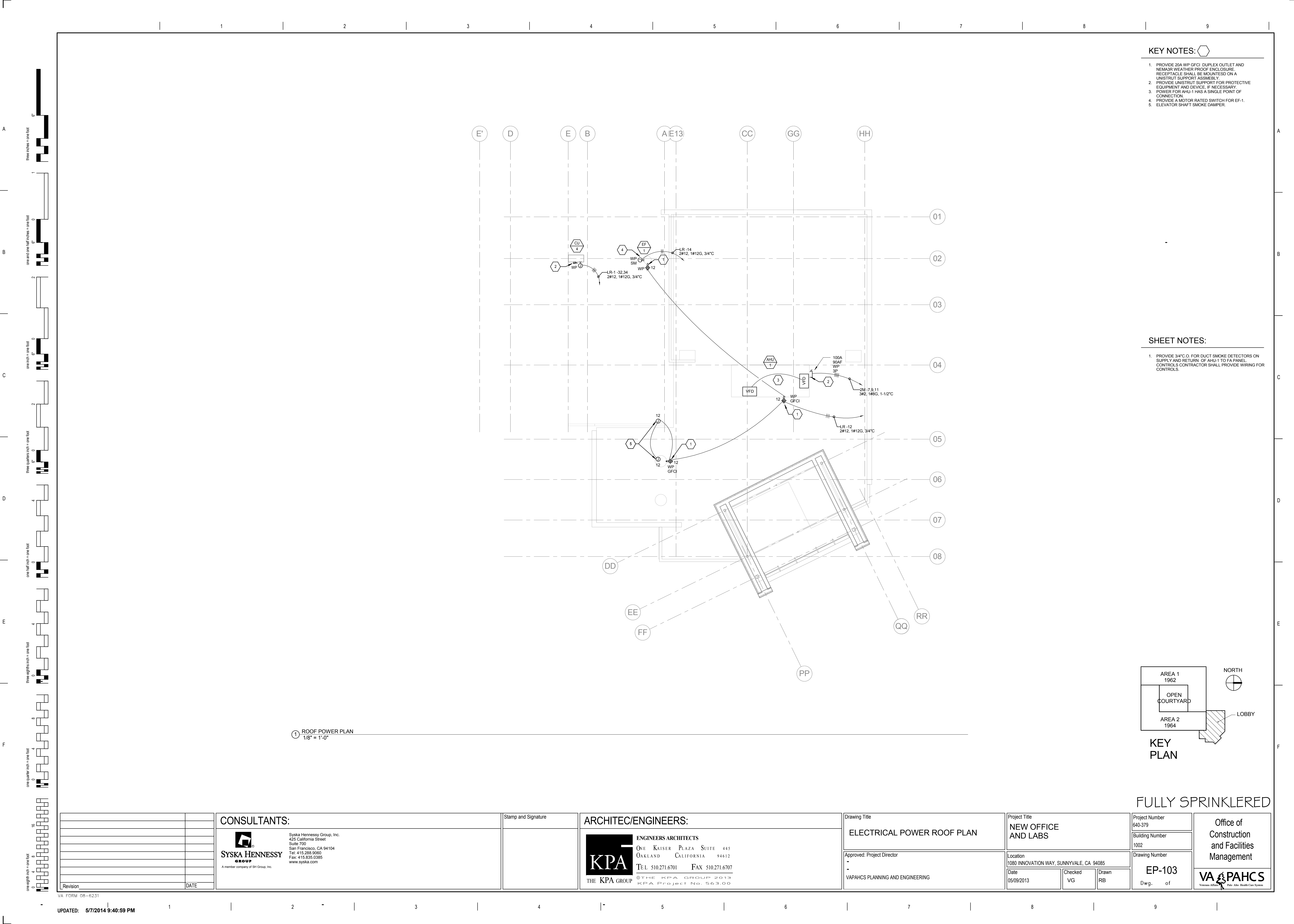
3 ENLARGED ELECTRICAL ROOM  
1/4" = 1'-0"



1 LEVEL 1 POWER PLAN  
1/8" = 1'-0"

<div> <div>Revision</div> <div>DATE</div> </div>	<div>CONSULTANTS:</div> <div> <div> </div> <div>           Syska Hennessy Group, Inc.            425 California Street            Suite 700            San Francisco, CA 94104            Tel: 415.288.9060            Fax: 415.835.0385            www.syska.com         </div> </div> <div> <div>Stamp and Signature</div> </div>	<div>ARCHITECT/ENGINEERS:</div> <div> <div> </div> <div>           ENGINEERS ARCHITECTS            ONE KAISER PLAZA SUITE 445            OAKLAND CALIFORNIA 94612            TEL 510.271.6701 FAX 510.271.6707            ©THE KPA GROUP 2013            KPA Project No. 563.00         </div> </div>	<div>Drawing Title</div> <div>ELECTRICAL POWER FIRST FLOOR PLAN</div> <div>Approved: Project Director</div> <div>VAPAHCS PLANNING AND ENGINEERING</div>	<div>Project Title</div> <div>NEW OFFICE AND LABS</div> <div>Location</div> <div>1080 INNOVATION WAY, SUNNYVALE, CA 94085</div> <div>Date</div> <div>05/09/2013</div> <div>Checked</div> <div>VG</div> <div>Drawn</div> <div>RB</div>	<div>Project Number</div> <div>640-379</div> <div>Building Number</div> <div>1002</div> <div>Drawing Number</div> <div>EP-101</div> <div>Dwg. of</div>	<div>Office of Construction and Facilities Management</div> <div> </div>
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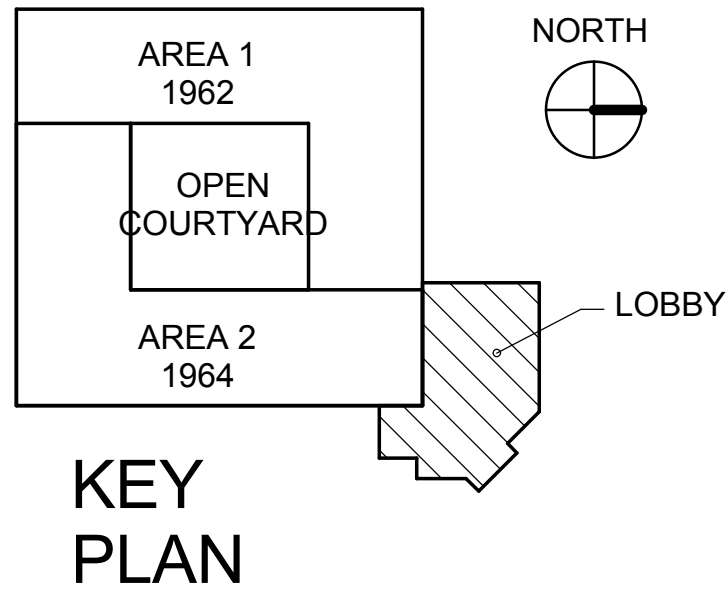


KEY NOTES:




1. PROVIDE 20A WP GFCI DUPLEX OUTLET AND NEMA3R WEATHER PROOF ENCLOSURE. RECEPTACLE SHALL BE MOUNTED ON A UNISTRUT SUPPORT ASSEMBLY.
2. PROVIDE UNISTRUT SUPPORT FOR PROTECTIVE EQUIPMENT AND DEVICE, IF NECESSARY.
3. POWER FOR AHU-1 HAS A SINGLE POINT OF CONNECTION.
4. PROVIDE A MOTOR RATED SWITCH FOR EF-1.
5. ELEVATOR SHAFT SMOKE DAMPER.

SHEET NOTES:

1. PROVIDE 3/4" O.D. FOR DUCT SMOKE DETECTORS ON SUPPLY AND RETURN OF AHU-1 TO FA PANEL. CONTROLS CONTRACTOR SHALL PROVIDE WIRING FOR CONTROLS.



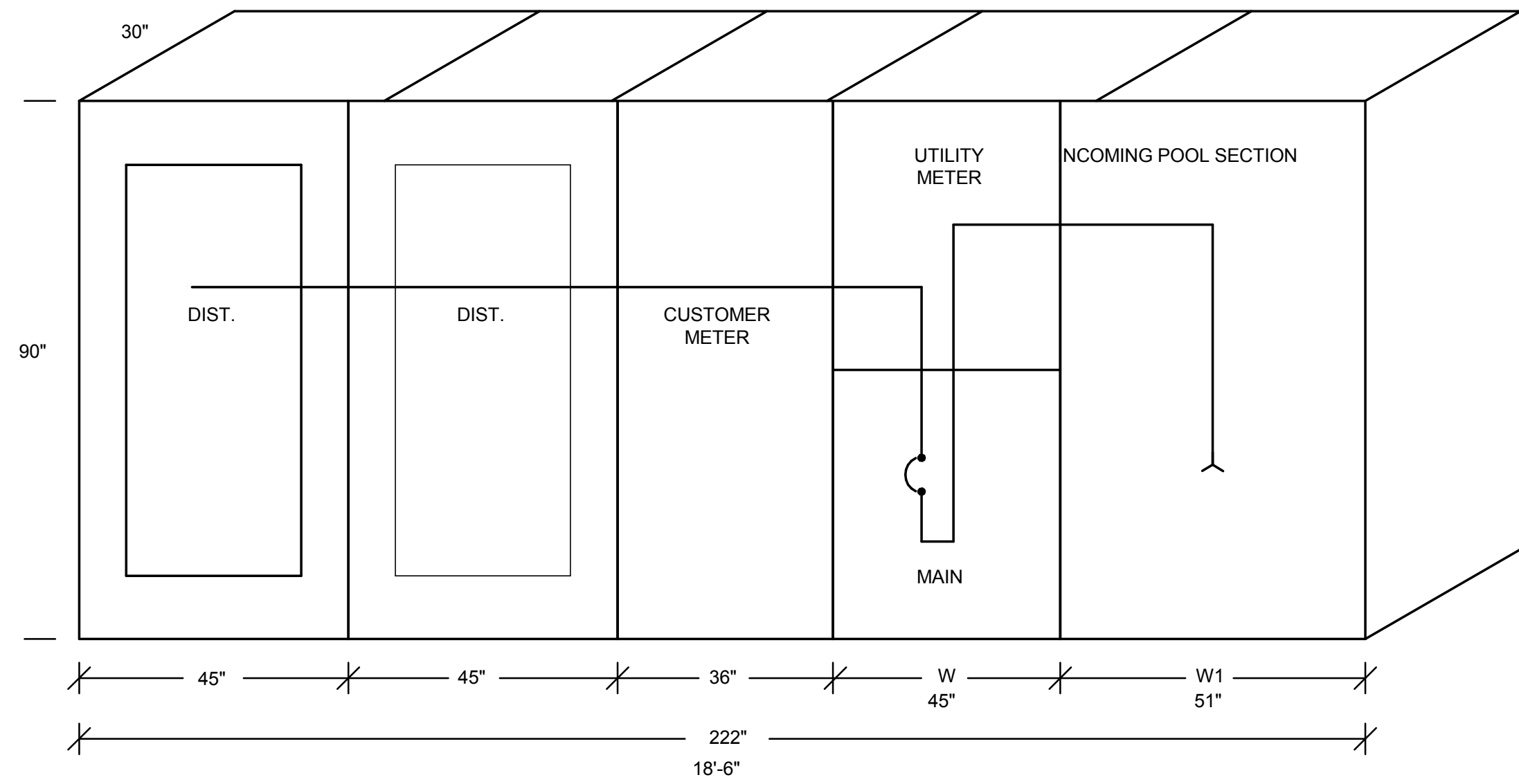
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												<b>Drawing Number</b>  EP-103  Dwg. of
<b>Revision</b>	<b>DATE</b>											



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LIGHTING CONTROL PANEL SCHEDULE					
CIRCUIT	ZONE	TIME CLOCK	OCCUPANCY	OVERRIDE	PHOTOCELL
L-21	1	*			*
L-22	2	*			*
L-21	3	*	*	*	*
L-21	4	*	*	*	*
L-19	5	*	*	*	*
L-19	6	*	*	*	
L-19	7	*			
L-21	8	*			
LR-1-12	9	*			
L-22	10	*	*	*	*
L-22	11	*	*	*	*
L-22	12	*			
L-20	13	*	*	*	*
L-20	14	*	*	*	
LR-1-1	15	*			
LR-1-3	16	*			
LR-1-5	17	*			
LR-1-2	18	*			
LR-1-4	19	*			
LR-1-6	20	*			
L-19	21	*			
L-19	22	*	*	*	*

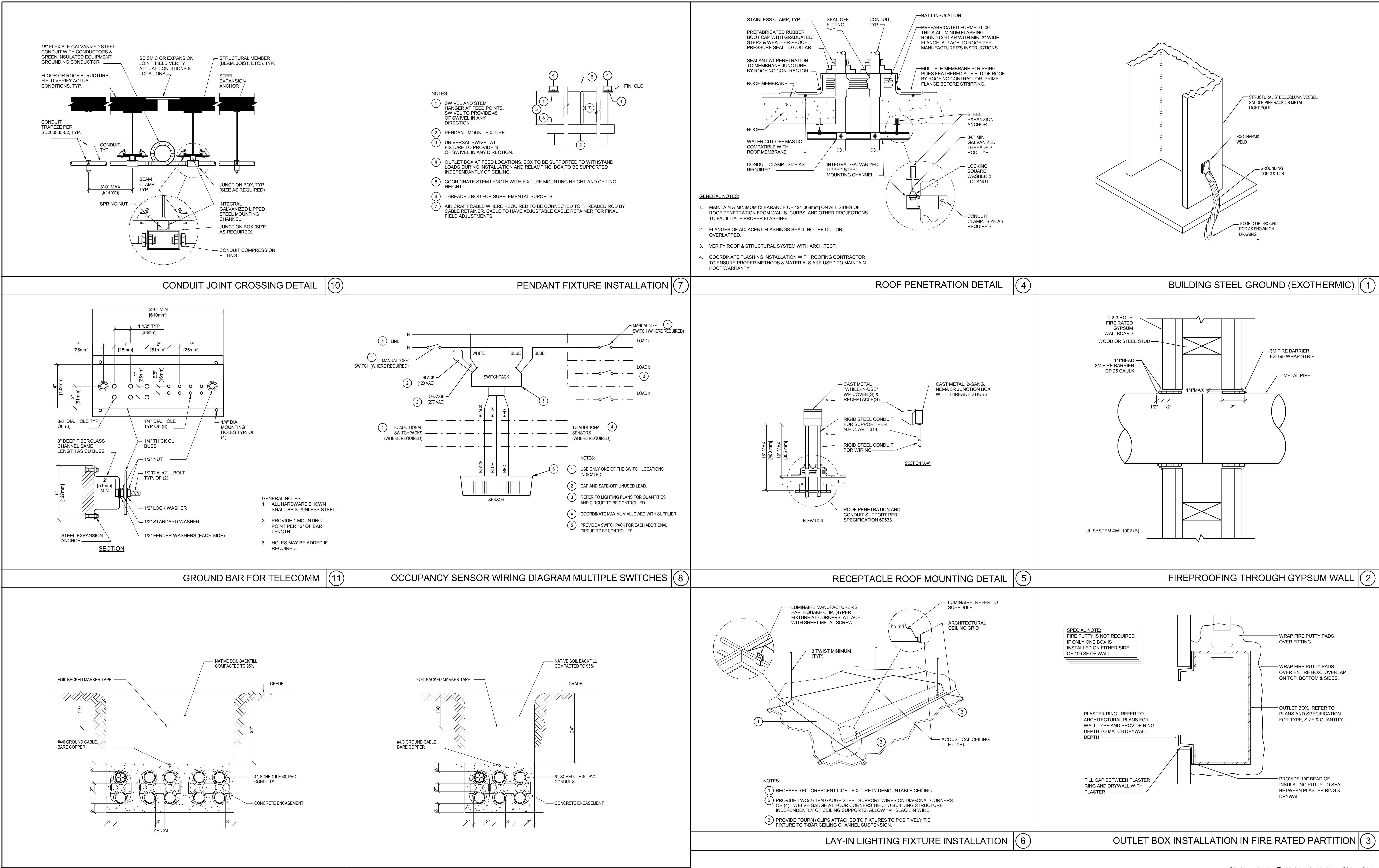


## MAIN SWITCHBOARD ELEVATION

SCALE: NTS

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Revision

DATE

CONSULTANTS:

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Drawing Title

ELECTRICAL DETAILS

Approved: Project Director

VAPAHCS PLANNING AND ENGINEERING

Project Title

NEW OFFICE AND LABS

Location

1080 INNOVATION WAY, SUNNYVALE, CA 94085

Date

05/09/2013

Checked

VG

Drawn

RB

Project Number

640-379

Building Number

1002

Drawing Number

E-501

Dwg. of

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## POWER MANHOLE DETAILS



## POWER MANHOLE DETAILS

Office of  
Construction  
and Facilities  
Management

Drawing Number


Location	
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Approved: Project Director

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UPDATED: 5/7/2014 9:40:44 PM



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KEY NOTES:

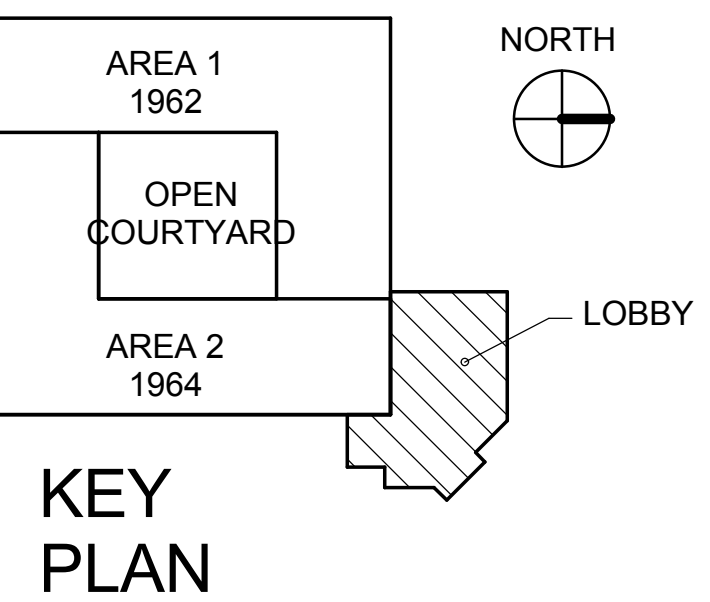
1. NEW FIRE ALARM SYSTEM, ZONE 1.
2. NEW ADDRESSABLE RELAY MODULES FOR ELEVATOR RECALL - FIELD LOCATE.
3. NEW ADDRESSABLE RELAY MODULE, ADDRESSABLE MONITOR MODULES, AND POWER SUPERVISORY RELAY TO BE FIELD LOCATED WITHIN 3- FEET OF THE ELEVATOR POWER SHUNT TRIP RELAY(S).
4. PROVIDE 135F RATE COMPENSATED HEAT DETECTORS WITHIN 18-INCHES OF FIRE SPRINKLERS IN ELEVATOR MACHINE ROOM.

SHEET NOTES:

1. NEW FIRE ALARM SYSTEM TO BE IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, 2013 EDITION.
2. ALL WORK TO BE IN ACCORDANCE WITH THE VA FIRE PROTECTION DESIGN MANUAL (10NA8), 6TH EDITION - SEPTEMBER 2011.
3. FIRE ALARM SYSTEM IS TO BE A DEFERRED SUBMITTAL. FIRE ALARM SHOP DRAWINGS, CALCULATIONS, AND PRODUCT DATA SHEETS TO BE SUBMITTED FOR PERMIT SEPARATELY.

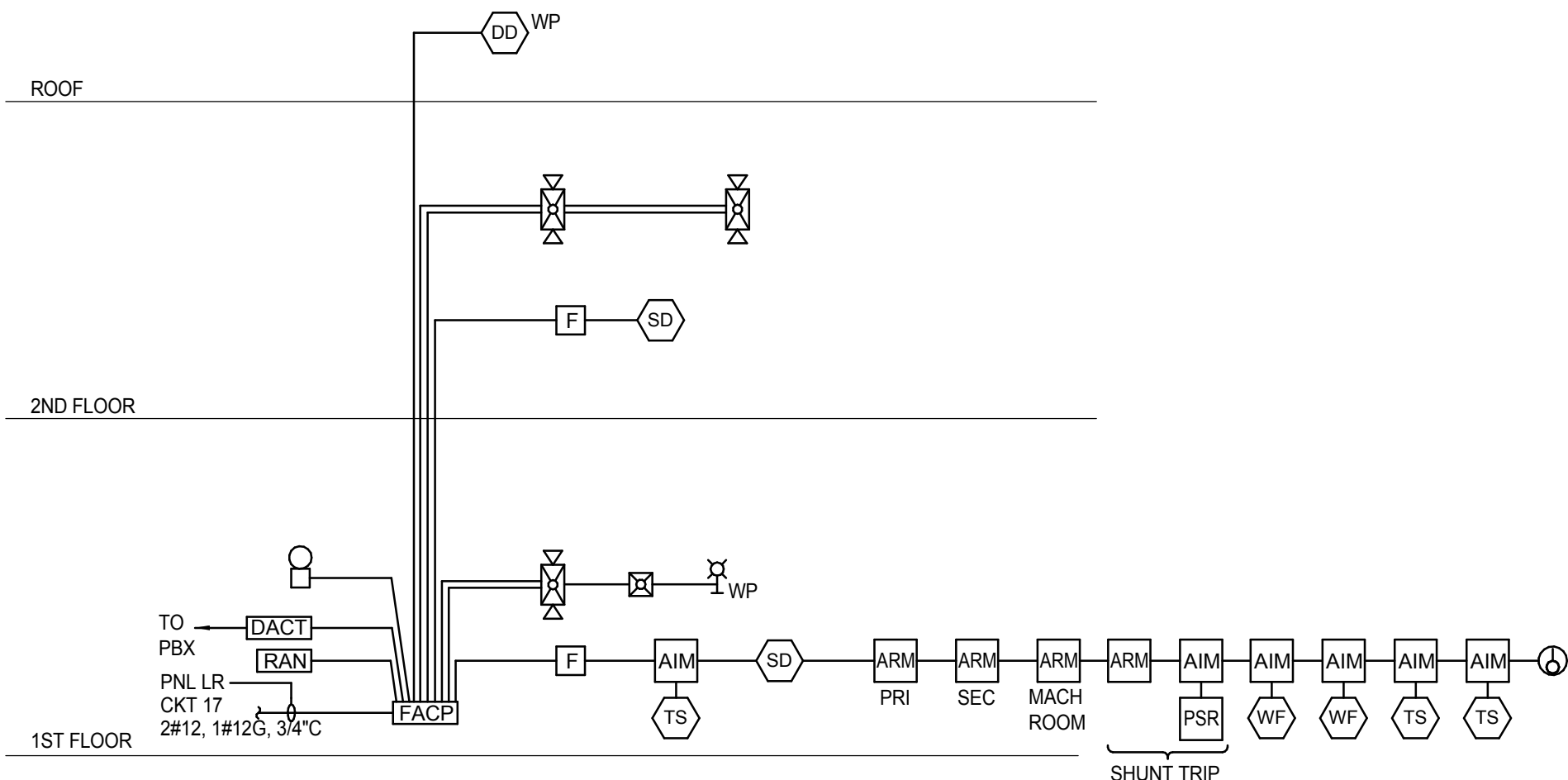
FIRE ALARM

- F
- MANUAL PULL STATION
- AIM
- ADDRESSABLE INTERFACE MODULE
- ARM
- ADDRESSABLE RELAY MODULE
- WP
- WATER FLOW SWITCH
- TS
- TAMPER SWITCH
- SD
- SMOKE DETECTOR
- HD
- HEAT DETECTOR
- STW
- STROBE, WALL
- SSC
- SPEAKER-STROBE, CEILING
- SUC
- STROBE UNIT, CEILING
- FACP
- FIRE ALARM CONTROL PANEL
- RANI
- REMOTE ANNUNCIATOR PANEL
- DD
- DUCT DETECTOR
- ABW
- ALARM BELL, WEATHERPROOF
- PSR
- POWER SUPERVISORY RELAY
- WP
- WEATHERPROOF



1 LEVEL 1 FIRE ALARM PLAN  
1/8" = 1'-0"

FIRE ALARM RISER DIAGRAM



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SYSKA HENNESSY GROUP A member company of SH Group, Inc.			ENGINEERS ARCHITECTS ONE KAISER PLAZA SUITE 445 OAKLAND CALIFORNIA 94612 TEL 510.271.6701 FAX 510.271.6707 ©THE KPA GROUP 2013 KPA Project No. 563.00		FIRE ALARM FIRST FLOOR PLAN	NEW OFFICE AND LABS		640-379		
					Approved: Project Director	Location 1080 INNOVATION WAY, SUNNYVALE, CA 94085		Building Number 1002		
					VAPAHCs PLANNING AND ENGINEERING	Date 05/09/2013	Checked VG	Drawn JH	Drawing Number FA-101	
Revision		DATE							Dwg. of	

KEY NOTES:

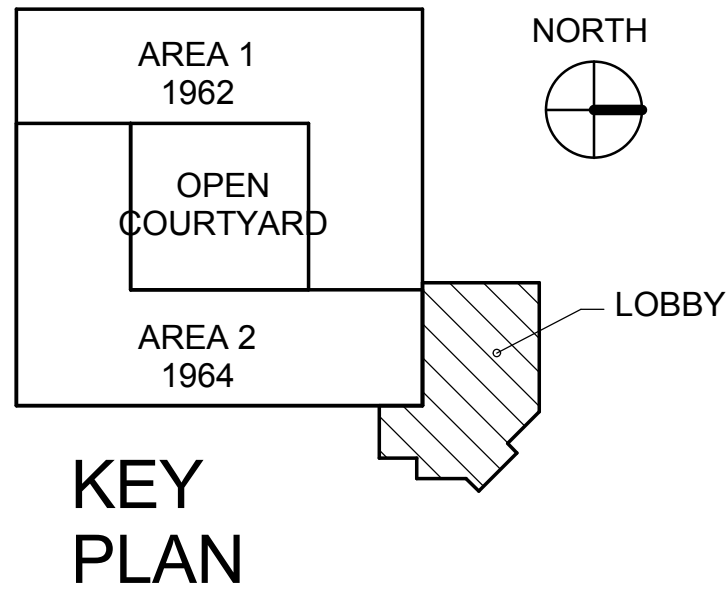
- NEW FIRE ALARM SYSTEM, ZONE 2.
- NEW ROOF MOUNTED AHU (~2,000 CFM)  
WEATHERPROOF DUCT SMOKE DETECTOR ON  
SUPPLY DUCT.

SHEET NOTES:

- NEW FIRE ALARM SYSTEM TO BE IN ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, 2013 EDITION.
- ALL WORK TO BE IN ACCORDANCE WITH THE VA FIRE PROTECTION DESIGN MANUAL (10NAB), 6TH EDITION - SEPTEMBER 2011.
- FIRE ALARM SYSTEM IS TO BE A DEFERRED SUBMITTAL. FIRE ALARM SHOP DRAWINGS, CALCULATIONS, AND PRODUCT DATA SHEETS TO BE SUBMITTED FOR PERMIT SEPARATELY.

FIRE ALARM

- MANUAL PULL STATION
- ADDRESSABLE INTERFACE MODULE
- ADDRESSABLE RELAY MODULE
- WATER FLOW SWITCH
- TAMPER SWITCH
- SMOKE DETECTOR
- HEAT DETECTOR
- STROBE, WALL
- SPEAKER-STROBE, CEILING
- STROBE UNIT, CEILING
- FIRE ALARM CONTROL PANEL
- REMOTE ANNUNCIATOR PANEL
- DUCT DETECTOR
- ALARM BELL, WEATHERPROOF
- POWER SUPERVISORY RELAY
- WEATHERPROOF



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<p>Revision</p> <p>DATE</p>		<p>CONSULTANTS:</p> <p><b>Syska Hennessy GROUP</b></p> <p>A member company of SH Group, Inc.</p> <p>Syska Hennessy Group, Inc. 425 California Street Suite 700 San Francisco, CA 94104 Tel: 415.288.9060 Fax: 415.835.0385 www.syska.com</p>	<p>Stamp and Signature</p>	<p>ARCHITECT/ENGINEERS:</p> <p><b>KPA</b></p> <p>ENGINEERS ARCHITECTS</p> <p>ONE KAISER PLAZA SUITE 445 OAKLAND CALIFORNIA 94612</p> <p>TEL 510.271.6701 FAX 510.271.6707</p> <p>©THE KPA GROUP 2013 KPA Project No. 563.00</p>	<p>Drawing Title</p> <p>FIRE ALARM SECOND FLOOR PLAN</p> <p>Approved: Project Director</p> <p>VAPAHCs PLANNING AND ENGINEERING</p>	<p>Project Title</p> <p>NEW OFFICE AND LABS</p> <p>Location</p> <p>1080 INNOVATION WAY, SUNNYVALE, CA 94085</p> <p>Date</p> <p>05/09/2013</p> <p>Checked</p> <p>VG</p> <p>Drawn</p> <p>JH</p>	<p>Project Number</p> <p>640-379</p> <p>Building Number</p> <p>1002</p> <p>Drawing Number</p> <p>FA-102</p> <p>Dwg. of</p>	<p>Office of Construction and Facilities Management</p> <p><b>VAPAHCs</b></p> <p>Various Affairs Palo Alto Health Care System</p>
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